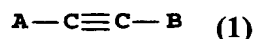


**CLAIMS:**

1. An electroluminescent device comprising a cathode, an anode, and therebetween a layer containing a host material and an ethynyl compound of Formula (1):

5



in an amount sufficient to stabilize the device wherein A and B represent independently selected fused carbocyclic ring groups.

10

2. The device of claim 1 wherein at least one of the ring groups is an anthracene group.

15

3. The device of claim 1 wherein at least one of the ring groups is a phenanthrene group.

4. The device of claim 1 wherein at least one of the ring groups is a naphthalene group.

20

5. The device of claim 1 wherein A represents an anthracene group and B represents a naphthalene group.

6. The device of claim 1 wherein A and B represent independently selected anthracene groups.

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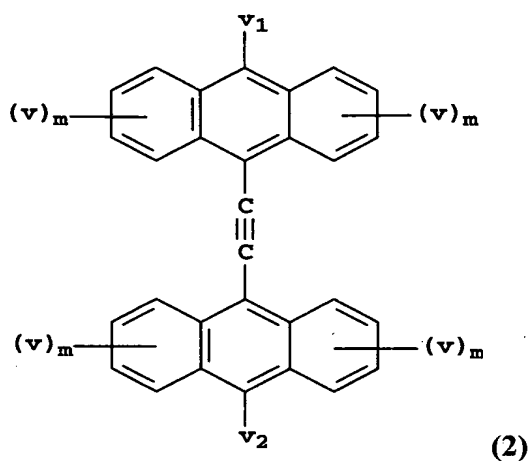
7. The device of claim 1 wherein the device emits green light.

8. The device of claim 1 wherein the ethynyl compound comprises at least six aromatic rings.

5 9. The device of claim 8 wherein the ethynyl compound comprises at least eight aromatic rings.

10. The device of claim 9 wherein the wherein ethynyl compound is represented by Formula (2):

10



wherein:

each v independently represents a substituent, provided adjacent substituents may combine to form rings;

15 m is 0-4; and

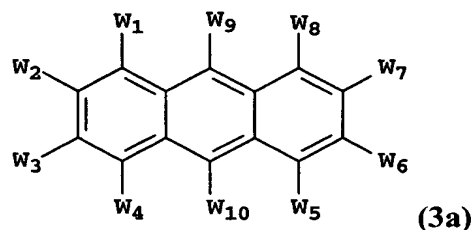
v<sub>1</sub> and v<sub>2</sub> independently represent hydrogen or a substituent.

11. The device of Claim 10 wherein v<sub>1</sub> and v<sub>2</sub> represent independently selected aromatic ring groups.

20

12. The device of claim 10 wherein  $v_1$  and  $v_2$  represent independently selected phenyl ring groups.

13. The device of claim 1 wherein the host material is represented by  
5 Formula (3a):



wherein:

$w_1$ - $w_{10}$  independently represent hydrogen or an independently selected  
10 substituent, provided that two adjacent substituents can combine to form rings.

14. The device of Claim 13 wherein  $w_9$  and  $w_{10}$  represent a naphthyl group and a biphenyl group, respectively.

15. The device of Claim 1 wherein the host material comprises 9,10-di-(2-naphthyl)anthracene, 2-*t*-butyl-9,10-di-(2-naphthyl)anthracene, 9-(4-biphenyl)-10-(2-naphthyl)anthracene or a combination thereof 9-(4-biphenyl)-10-(1-naphthyl)anthracene.

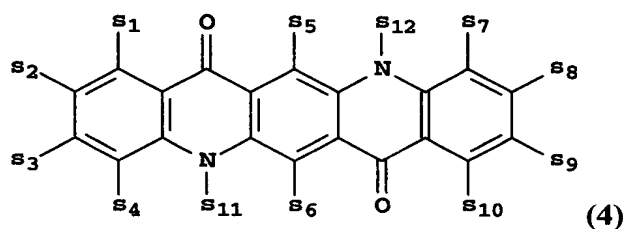
20 16. The device of claim 1 wherein the host material is tris(8-quinolinolato)aluminum (III).

17. The device of claim 1 wherein the layer contains a third material which emits light.

18. The device of claim 17 a wherein the third material emits green light.

5 19. The device of claim 17 wherein the third material is a quinacridone compound.

20. The device of claim 17 wherein the third material is represented by Formula (4),



wherein:

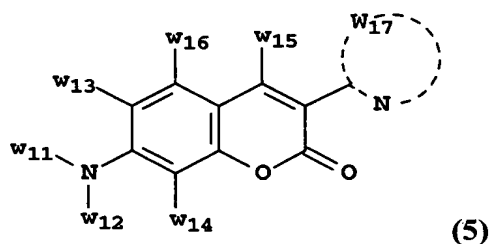
s<sub>1</sub> – s<sub>10</sub> independently represent hydrogen or an independently selected substituent, provide adjacent substituents may combine to form rings; and

s<sub>11</sub> and s<sub>12</sub> independently represent an alkyl group or an aromatic group.

15 21. The device of claim 20 wherein s<sub>1</sub> – s<sub>10</sub> represent hydrogen, and s<sub>11</sub> and s<sub>12</sub> each represent an independently selected phenyl group.

22. The device of claim 17 wherein the third material is a coumarin compound.

23. The device of claim 17 wherein the third material is represented by Formula (5),



wherein:

$w_{11}$  and  $w_{12}$  represent an independently selected substituent, provided  $w_{11}$  and  $w_{12}$  may combine with each other or with  $w_{13}$  or  $w_{14}$  to form a ring;

5         $w_{13} - w_{16}$  independently represent hydrogen or an independently selected substituent, provided adjacent substituents may combine to form rings; and

$w_{17}$  represents the atoms necessary to complete an heteroaromatic ring.

24.     The device of claim 23 wherein the third material is represented by  
10     Formula (5), wherein:

$w_{11}$  and  $w_{13}$  as well as  $w_{12}$  and  $w_{14}$  combine to form independently selected saturated rings, which may be further substituted; and

$w_{17}$  represents the atoms necessary to complete a 2-benzothiazoyl group.

15        25.     The device of claim 1 wherein the compound of Formula (1) is present at a level of between 0.5 and 20% by weight of the layer.

26.     The device of claim 1 wherein the compound of Formula (1) is present at a level of between 0.5 and 8% by weight of the layer.

20

27.     The device of claim 17 wherein the third material is present at a level of between 0.5 and 10% by weight of the light-emitting layer.

28. A display comprising the electroluminescent device of claim 1.

29. The device of claim 1 wherein white light is produced either directly or by using filters.

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30. An area lighting device comprising the electroluminescent device of claim 1.

31. A process for emitting light comprising applying a potential across  
10 the device of claim 1.